



# Lahoma Regional Intensive Wheat Management Variety Trial

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Cooperator: OSU North Central Research Station      Extension Educator: Rick Nelson  
 Planting & harvest dates: 10/11/2023 & 06/06/2024      Previous crop: Austrian winter peas  
 Management: Grain-only, conventional tillage      Soil Type: Pond Creek silt loam  
 Seeding rate: 1.2 million seeds/acre      Soil test: pH=6.5, N= 140, P= 30, K=252  
 Nitrogen: 6 lbs/ac 10-34-0 at planting, 30 lbs/ac on 2/14/24, 60 lbs/ac 3/14/24  
 Fungicide: 4 fl oz/ac Tebucure 3.6 at jointing on 3/14/24 and 13 fl oz/ac Nexicor at flag leaf-boot stage on 4/4/24

Licensee	Variety	Grain Yield			Test Weight	Wheat Protein
		2023-24	2-Year	3-year	2023-24	2023-24
		----- bu/ac -----			-- lb/bu --	-- % --
Westbred	WB4632	87	85	--	63.0	12.3
LCS	LCS Steel AX	87	77	79	61.8	13.0
AgriPro	AP24 AX	87	--	--	61.1	12.1
PlainsGold	Whistler	86	--	--	61.7	11.6
PlainsGold	Kivari AX	86	82	--	61.5	11.6
LCS	LCS Warbird AX	85	--	--	62.7	12.9
PlainsGold	CO18035RA	85	--	--	62.2	13.6
AgriPro	SY Wolverine	84	80	--	61.5	13.0
AgriPro	AP Bigfoot	84	76	--	62.3	12.7
Armor	AR Iron Eagle 22AX	82	--	--	63.0	12.2
Croplan	CP7017AX	82	78	80	62.4	12.3
LCS	LCS Photon AX	81	75	76	60.9	12.8
OGI	Showdown	81	82	83	61.5	12.7
LCS	LCS Helix AX	80	77	80	62.7	12.6
LCS	LCS Radar	80	--	--	62.1	12.8
PlainsGold	Byrd CL Plus	79	--	--	61.3	12.3
AGSECO	AG Golden	79	77	80	60.3	12.5
LCS	LCS Runner	79	--	--	61.8	12.4
AgriPro	AP Roadrunner	79	--	--	60.3	13.1
AgriPro	Bob Dole	79	78	80	62.2	13.9
OGI	Breadbox	79	--	--	62.0	12.9
PlainsGold	Crescent AX	79	78	80	62.1	12.7
OGI	Gallagher	79	82	82	62.4	13.2
PlainsGold	Canvas	78	80	83	62.7	11.9
OGI	Strad CL+	78	74	74	61.6	14.1
KWA	KS Mako	78	--	--	63.4	13.0
OGI	High Cotton	76	75	--	63.3	12.7
KWA	KS Providence	76	80	84	59.5	14.4
OGI	Paradox	76	79	81	61.2	13.1
LCS	LCS Galloway AX	75	78	--	62.7	13.1
Westbred	WB4792	75	69	72	64.9	12.7
OGI	OK Corral	75	78	75	61.1	12.4
Croplan	CP7869	75	--	--	61.3	13.4
OGI	Firebox	72	73	--	63.3	13.6
Westbred	WB4401	71	74	75	63.3	12.3
Westbred	WB4422	71	75	82	62.8	13.1
OGI	Big Country	70	74	70	62.9	12.9
AgriPro	AP Prolific	69	75	79	60.2	14.2
OGI	Green Hammer	69	75	75	62.4	15.0
Armor	AR Turret 25	68	--	--	61.2	13.4
OGI	Smith's Gold	68	69	73	63.1	12.8
AGSECO	AG Radical	67	71	76	61.0	13.1
Croplan	CP7220	67	--	--	62.6	13.1
LCS	LCS Atomic AX	66	70	76	60.9	13.3
OGI	Doublestop CL+	64	69	71	63.4	15.0
OGI	Uncharted	63	64	64	61.0	13.3
LCS	LCS Julep	59	68	71	62.0	13.6
OGI	Butler's Gold	45	55	60	63.5	15.0
<b>Experimentals</b>						
OSU	OK16107133-19-3	64	64	--	61.0	13.7
OSU	OK16107133-19-4	58	--	--	59.3	13.7
OSU	OK198417C	72	--	--	63.4	13.6
OSU	OK20708	89	--	--	62.3	12.6
<b>Mean</b>		75	75	76	62.0	13.1
<b>LSD (0.05)</b>		9	7	7	0.8	0.8

**Notes:** Grain yield and protein concentration were adjusted to 12% moisture content. Shaded values were not statistically different from the highest value within a column. Stripe and leaf rust fungal diseases were observed at severe pressure in the season. Double-dashes"--" = data not available.